

Design and Technology – Year 4

Autumn 2 – Design, make and evaluate a box to contain a special keepsake

In Design & Technology I have already learnt:

- To make freestanding structures from sheet materials.
- Different ways to make a structure base stronger.
- To join different materials with a range of joining techniques.
- To measure, mark and cut out different materials.
- That a single 2D shape can make a 3D shape product.

Design, make, evaluate, user, purpose, ideas, design criteria, product, function, join, masking tape, glue, paint, glitter, sequins

I can assemble 3D shapes using standard sized shapes and joining with masking tape.

I can create and make the net for the product I am designing.

I can cut windows out and add acetate sheet.

I can score card.

I can use laminating, corrugating and ribbing to stiffen and strengthen sheet materials.

I can use a range of finishing techniques to achieve the desired appearance of my product.

New Design & Technology words:

Shell structure, score, shape, net, 3D, three dimensional, marking out, scoring, tabs, adhesives, corrugating, ribbing, laminating, assemble, acetate, prototype, keepsake.

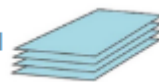
• **Ribbing:**

Glue together layers of straws between layers of card



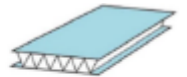
• **Laminating:**

Glue together several layers of card.



• **Corrugating:**

Zig-zag a piece of paper or card and glue in between two layers of card.



Different methods to strengthen sheet materials